FIG. 1 The ZLE framework

Services within the ZLE — 202a

ZLE Core

FIG.2

FIG. 3   The ZLE framework – built on Tuxedo / CORBA/Java technologies

FIG. 4

Subscribers

Publisher

Customer order
& Profile

Ad apt er

**Advertising application
Subscribes to New
order and customer
income Profile** — 404

Customer
order

Customer
order
& Address

**Distributed
Object
Manager**

**Message
Transport
Service** **Message
Integrator** **Transaction
Processing
Monitors**

Adapter

**Order entry
application
publishes New
order and
customer name** 402

Adapter

**Shipping application
Subscribes to New
order and customer
address** — 406

104

420

event queue
Customer order

Customer order
& Credit card #

Adapter

**Payment application
Subscribes to New
order and Customer
credit card number** — 408

ODS

106

Data Tables
Customer , Credit card #, Profile, Address

Delivery date

6

502

Order entry application

New Order
Customer name
Product

1

Shipping Application

504

Product Information
Size
Schedule

2,3

Manufacturing application

5.06

4,5

Customer name
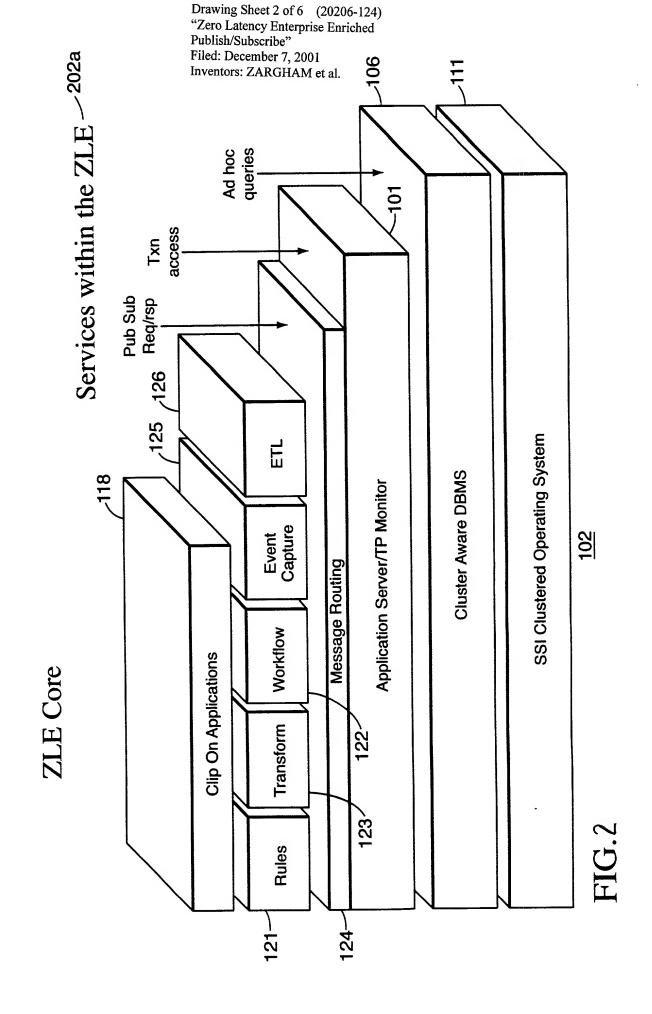Customer address

508

Customer Information Application

FIG.5

Drawing Sheet 6 of 6   (20206-124)
"Zero Latency Enterprise Enriched
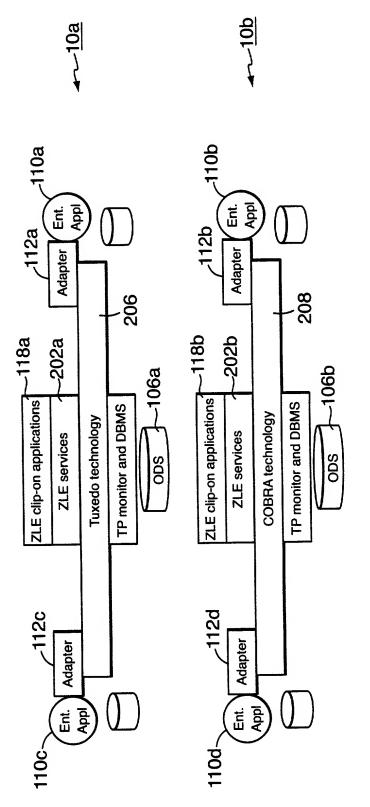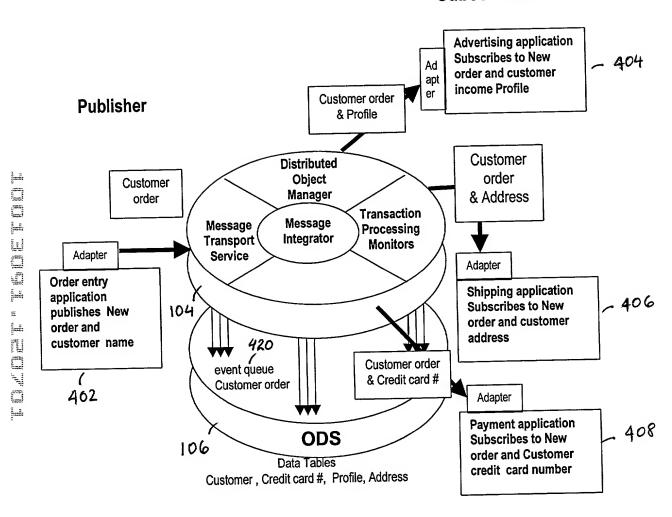Publish/Subscribe"
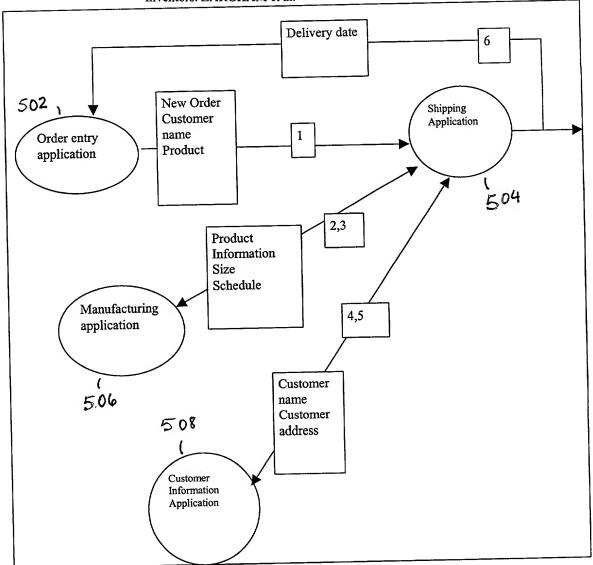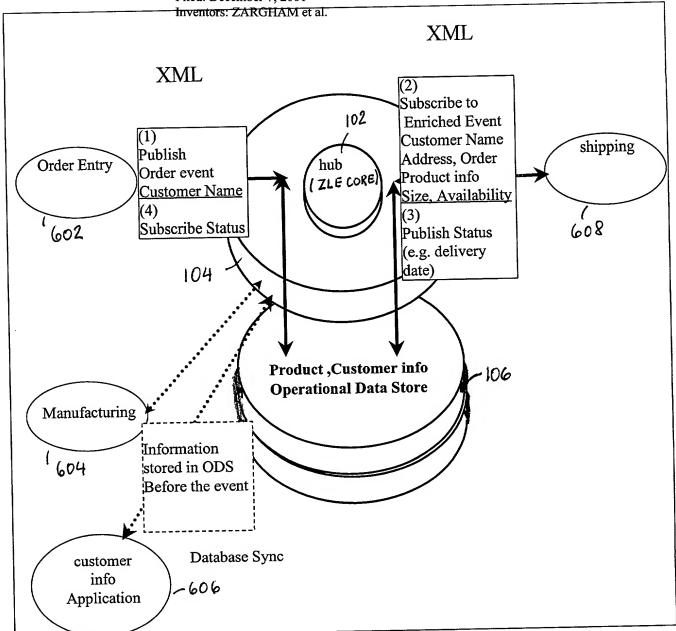Filed: December 7, 2001
Inventors: ZARGHAM et al.

XML

XML

XML

Order Entry

602

(1)
Publish
Order event
Customer Name
(4)
Subscribe Status

102

hub
(ZLE CORE)

(2)
Subscribe to
Enriched Event
Customer Name
Address, Order
Product info
Size, Availability
(3)
Publish Status
(e.g. delivery
date)

shipping

608

104

Product ,Customer info
Operational Data Store

106

Manufacturing

604

Information
stored in ODS
Before the event

customer
info
Application

606

Database Sync

FIG. 6